

CLAIMS

1.       Overvoltage-protection device, applicable in particular to the low-voltage mains, comprising, between the two lines (1, 2) of the mains, a gas-discharge arrester (3), a varistor (4) and a thermal-fuse element (5) tasked with ensuring the thermal disconnection of the device, characterized in that it includes, in parallel with the varistor (4), a resistor (7) causing, after the short-circuiting of the gas-discharge arrester (3), the heating of the thermal-fuse element (5) so as to trigger the thermal disconnection of the device.

2.       Overvoltage-protection device according to claim 1, applicable to the low-voltage mains in a wide range of voltages, characterized in that the varistor (4) is defined so as to extinguish the gas-discharge arrester (3) up to the maximum voltage of use, and in that the resistor (7) is defined so as to trigger the thermal disconnection of the device at the minimum voltage of use.